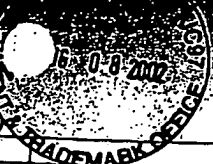


# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)  
Sheet 1 of 1



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Filing Date	March 28, 2002
First Named Inventor	Joseph M. DeSimone
Group Art Unit	1772
Examiner Name	Unknown
Attorney Docket Number	5470.351DV

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	U.S. Patent Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
MF	1	US 2002/0020946 A1		Hirakoa et al.	02/21/2002	
	2	4,136,137		Hsieh et al.	01/23/1979	
	3	5,281,666		Hoxmeier	01/25/1994	
	4	5,451,633		Desimone et al.	09/19/1995	
	5	5,589,105		DeSimone et al.	12/31/1996	
	6	5,639,836		DeSimone et al.	06/17/1997	
	7	5,674,957		DeSimone et al.	10/07/1997	
	8	5,676,705		Jureller et al.	10/14/1997	
	9	5,683,977		Jureller et al.	11/04/1997	
	10	5,783,082		DeSimone et al.	07/21/1998	
MF	11	6,319,858		Lee et al.	11/20/2001	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document Office	Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T
MF	12	Chen, Vanessa Z.-H., et al., <i>Ordered Bicontinuous Nanoporous and Nanorelief Ceramic Films from Self Assembling Polymer Precursors</i> , <i>Science</i> , Vol. 286, pp. 1716-1719 (26 November 1999)	
	13	Dang, T.D., et al., <i>Synthesis and Characterization of Fluorinated Benzoxazole Polymers with High T<sub>g</sub> and Low Dielectric Constant</i> , <i>Journal of Polymer Science</i> , Vol. 38, pp. 1991-2003 (2000)	
	14	Hedrick, J.L., et al., <i>High-temperature polyimide nanofoams for microelectronic applications</i> , <i>Reactive &amp; Functional Polymers</i> , Vol. 30, pp. 43-53 (1996)	
	15	Hyatt, John A., <i>Liquid and Supercritical Carbon Dioxide as Organic Solvents</i> , <i>Journal of Organic Chemistry</i> , Vol. 49, No. 26, pp. 5097-5101 (1984)	
	16	Maier, Gerhard, <i>Polymers for microelectronics</i> , <i>materialstoday</i> , pp. 22-33 (September/October 2001)	
	17	Maier, G., <i>Low dielectric constant polymers for microelectronics</i> , <i>Progress in Polymer Science</i> , Vol. 26, pp. 3-65 (2001)	
	18	Milner, Scott T., et al., <i>Analytical Weak-Segregation Theory of Bicontinuous Phases in Diblock Copolymers</i> , <i>J. Phys. II France</i> , Vol. 7, pp. 249-255 (1997)	
	19	Olmsted, Peter D., et al., <i>Fluctuation Corrections to Mean-Field Theory for Homopolymer-Copolymer Phase Separation: Sequence Distribution Effects</i> , <i>Macromolecules</i> , Vol. 27, pp. 1964-1967 (1994)	
	20	Olmsted, P.D., et al., <i>Lifshitz points in blends of AB and BC diblock copolymers</i> , <i>Europhysics Letters</i> , Vol. 45, No. 1, pp. 83-89 (1999)	
	21	Olmsted, Peter D., et al., <i>Strong-Segregation Theory of Bicontinuous Phases in Block Copolymers</i> , <i>Physical Review Letters</i> , Vol. 72, No. 6, pp. 936-941 (7 February 1994)	
	22	Olmsted, Peter D., et al., <i>Errata, Strong-Segregation Theory of Bicontinuous Phases in Block Copolymers</i> , <i>Physical Review Letters</i> , Vol. 74, No. 5, pp. 829 (30 January 1995)	
	23	Olmsted, Peter D., et al., <i>Strong-Segregation Theory of Bicontinuous Phases in Block Copolymers</i> , <i>Macromolecules</i> , Vol. 31, pp. 4011-4022 (1998)	
	24	Rajagopal, A., et al., <i>Surface characterization of a low dielectric constant polymer-SiLK* polymer, and investigation of its interface with Cu</i> , <i>J. Vac. Sci. Technol.</i> , Vol. B 17, No. 5, pp. 2336-2340 (Sep/Oct 1999)	
	25	Rockford, L., et al., <i>Propagation of Nanopatterned Substrate Templated Ordering of Block Copolymers in Thick Films</i> , <i>Macromolecules</i> , Vol. 34, pp. 1487-1492 (2001)	
	26	Sroog, C.E., <i>Polyimides</i> , <i>Progress in Polymer Science</i> , Vol. 16, pp. 561-694 (1991)	
	27	Zalusky, Andrew S., et al., <i>Mesoporous Polystyrene Monoliths</i> , <i>J. Am. Chem. Soc.</i> , Vol. 123, pp. 1519-1520 (2001)	
MF	28	<i>Low dielectric constant materials for advanced microelectronics</i> , <a href="http://www.almaden.ibm.com/st/projects/lowk">www.almaden.ibm.com/st/projects/lowk</a> , 3 pages	

Examiner Signature	<i>Eytan Fedor</i>	Date Considered	5/03
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